

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1324365

Luminaire Tested: LDSQA3D05R20W2N902750DE010 3LSQPHR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R20W2N902750DE010 3LSQPHR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

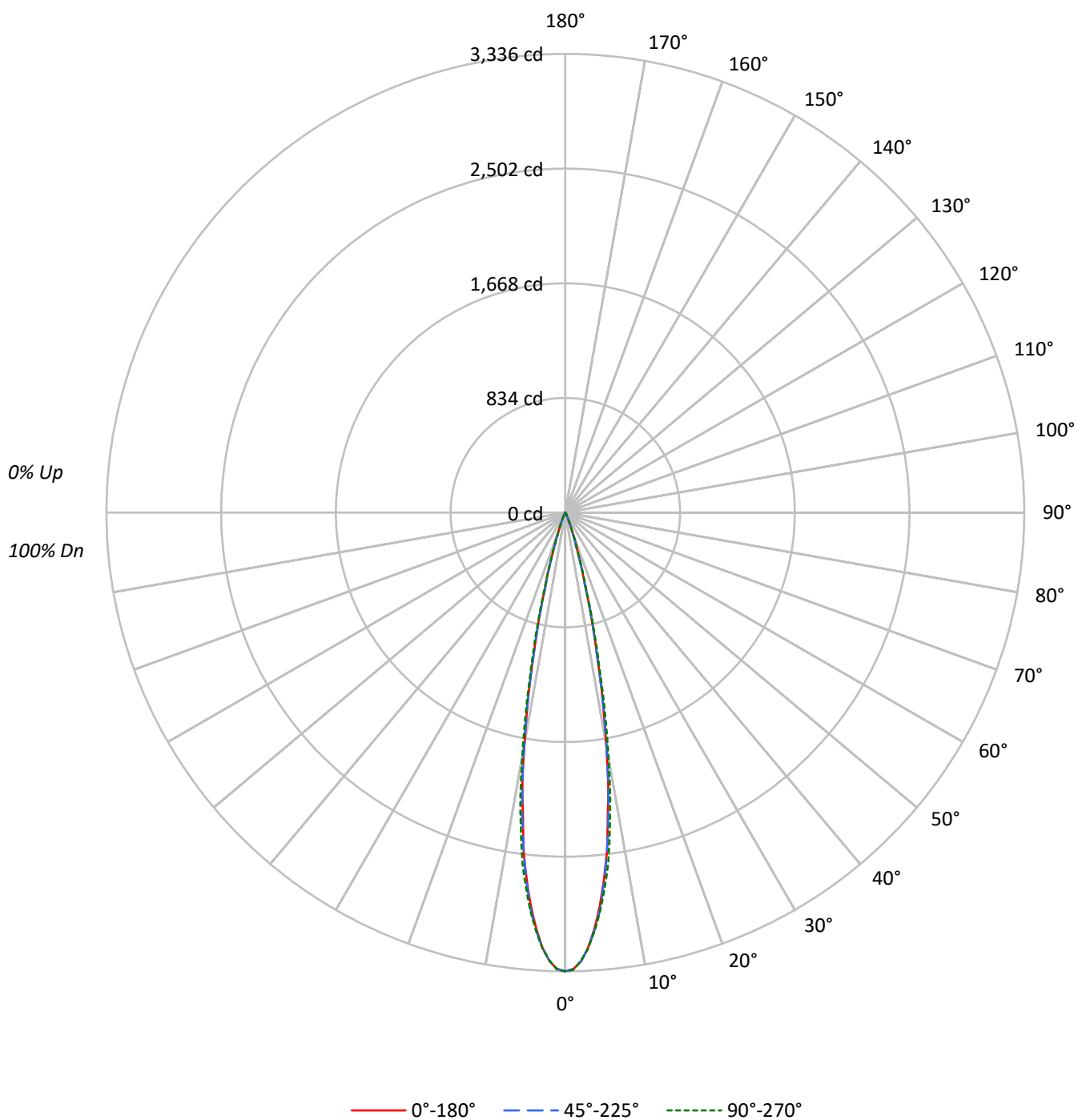
Lumens per Lamp: N/A
Luminaire Lumens: 448.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	574449	574449	574449
5°	496253	500887	502737
10°	298747	301527	316532
15°	103324	100917	108958
20°	27143	25530	25604
25°	5910	7126	8114
30°	2545	2545	2625
35°	1430	1261	1346
40°	629	719	809
45°	195	292	292
50°	107	107	107
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 292 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.6	53.2
10°-20°	181.6	40.5
20°-30°	22.5	5.0
30°-40°	4.3	1.0
40°-50°	1.0	0.2
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	442.7	98.8
0°-40°	446.9	99.8
0°-60°	448.0	100.0
0°-90°	448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	448.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3336	3336	3336	3336	3336	
5°	2870	2868	2897	2895	2908	237
15°	580	559	566	600	611	181
25°	31	36	38	39	43	21
35°	7	7	6	6	6	4
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3335.5	3335.5	3335.5	3335.5	3335.5
1°	3319.9	3315.9	3319.1	3312.3	3326.3
2°	3266.8	3262.9	3262.9	3258.9	3260.9
3°	3167.9	3174.2	3170.3	3161.9	3172.6
4°	3033.0	3040.1	3046.5	3046.9	3048.5
5°	2870.5	2868.5	2897.3	2895.3	2908.0
6°	2685.3	2682.9	2695.3	2716.0	2741.6
7°	2481.8	2452.6	2485.8	2527.7	2562.0
8°	2218.3	2225.9	2248.7	2298.2	2325.7
9°	1994.8	1950.5	1998.8	2057.9	2087.8
10°	1708.3	1672.3	1724.2	1786.5	1810.0
12.5°	1075.2	1044.1	1060.9	1126.3	1136.7
15°	579.5	558.8	566.0	599.9	611.1
17.5°	295.8	277.0	273.0	294.6	296.9
20°	148.1	143.7	139.3	141.3	139.7
22.5°	68.6	74.6	73.8	69.8	74.6
25°	31.1	35.5	37.5	39.1	42.7
27.5°	19.2	18.4	21.2	22.8	23.1
30°	12.8	12.4	12.8	13.2	13.2
32.5°	9.2	8.8	8.4	8.4	8.8
35°	6.8	6.8	6.0	6.4	6.4
37.5°	4.8	4.8	4.4	4.8	4.8
40°	2.8	3.2	3.2	3.2	3.6
42.5°	1.6	2.0	2.0	2.0	2.0
45°	0.8	1.2	1.2	1.2	1.2
47.5°	0.4	0.4	0.4	0.8	0.8
50°	0.4	0.4	0.4	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)